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Product datasheet for PH323681

CRTAC1 (NM_018058) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CRTAC1 MS Standard C13 and N15-labeled recombinant protein (NP_060528)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC223681
Predicted MW:	71.2 kDa
Protein Sequence:	>RC223681 representing NM_018058 Red=Cloning site Green=Tags(s) MAPSADPGMSRMLPFLLLLWFLPITEGSQRAEPMFTAVTNSVLPPDYDSNPTQLNYGVAVTDVDHDGDFE IVVAGYNGPNLVLKYDRAQKRLVNIAVDERSSPYYALRDRQGNAIGVTACDIDGDGREEIYFLNTNNAFS GVATYTDKLFKFRNNRWEDILSDEVNVARGVASLFAGRSVACVDRKGSGRYSIYIANYAYGNVGPDALIE MDPEASDLSRGILALRDVAAEAGVSKYTGGRGVSVGPILSSSASDIFCDNENGPNFLFHNRGDGTFVDAA ASAGVDDPHQHGRGVALADFNRDGKVDIVYGNWNGPHRLYLQMSTHGKVRFRDIASPKFSMPSPVRTVIT ADFDNDQELEIFFNNIAYRSSSANRLFRVIRREHGDPLIEELNPGDALEPEGRGTGGVVTDFDGDGMLDL ILSHGESMAQPLSVFRGNQGFNNNWLRVVPRTRFGAFARGAKVVLYTKKSGAHLRIIDGGSGYLCEMEPV AHFGLGKDEASSVEVTWPDGKMVSRNVASGEMNSVLEILYPRDEDTLQDPAPLECGQGFSQQENGHCMDT NECIQFPFVCPRDKPVCVNTYGSYRCRTNKKCSRGYEPNEDGTACVGTLGQSPGPRPTTPTAAAATAAAA AAAGAATAAPVLVDGDLNLGSVVKESCEPSC TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_060528
RefSeq Size:	2889

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RefSeq ORF: 1983

Synonyms: ASPIC; ASPIC1; CEP-68; CEP68; LOTUS

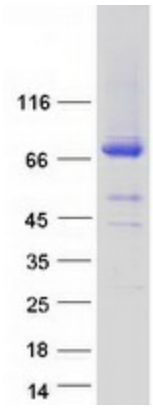
Locus ID: 55118

UniProt ID: Q9NQ79

Cytogenetics: 10q24.2

Summary: This gene encodes a glycosylated extracellular matrix protein that is found in the interterritorial matrix of articular deep zone cartilage. This protein is used as a marker to distinguish chondrocytes from osteoblasts and mesenchymal stem cells in culture. The presence of FG-GAP motifs and an RGD integrin-binding motif suggests that this protein may be involved in cell-cell or cell-matrix interactions. Copy number alterations in this gene have been observed in neurofibromatosis type 1-associated glomus tumors. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2011]

Product images:



Coomassie blue staining of purified CRTAC1 protein (Cat# [TP323681]). The protein was produced from HEK293T cells transfected with CRTAC1 cDNA clone (Cat# [RC223681]) using MegaTran 2.0 (Cat# [TT210002]).